

chain nodes:

7 8 9 10 11 12 13 14 21 22 23 24 25 26 27 28 34

ring nodes:

1 2 3 4 5 6 15 16 17 18 19 20

chain bonds:

2-13 4-7 4-8 6-9 9-10 10-11 10-12 12-34 13-14 16-27 18-21 18-22 20-23 23-24 24-25 24-26 27-28

ring bonds:

1-2 1-6 2-3 3-4 4-5 5-6 15-16 15-20 16-17 17-18 18-19 19-20

exact/norm bonds:

1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-12 12-34 13-14 15-16 15-20 16-17 17-18 18-19 19-20 24-25 24-26 27-28

exact bonds:

2-13 4-7 4-8 6-9 9-10 16-27 18-21 18-22 20-23 23-24

G1:C,CN,OH

G2:H,Cs,Fr,K,Li,Na,Rb

Match level:

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS8:CLASS9:CLASS10:CLASS11:CLASS12:CLASS 13:CLASS14:CLASS15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS22:CLASS23:CLASS 24:CLASS25:CLASS26:CLASS27:CLASS28:CLASS34:CLASS

fragments assigned product role:

RX(11) OF 18 - 2 STEPS

N-Methylmorpholine

2.2. PhMe

Na

REF: PCT Int. Appl., 2004096788, 11 Nov 2004

NOTE: 1) first stage Dean Stark app.

CON: STEP(1.1) room temperature

STEP(1.2) 2.5 hours, room temperature; 4 hours, room temperature

STEP(2.1) room temperature

STEP(2.2) 30 minutes, room temperature; 12 hours,

room temperature

ANSWER 1 OF 23 CASREACT COPYRIGHT 2007 ACS on STN L2

Journal of Organic Chemistry, 70(18), 7267-7272; STAGE(1) 2 hours, room temperature STAGE(2) 24 hours, room temperature REF: CON: